Empower the Bar Code

Quick Guide for Backup_Restore Utility.exe

PT-60 /PT-80 Series Mobile Computer

DOC NO. UM-PT805-05

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Version 1.0

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1. Introduction

It is necessary to have power supplied to the memory module (namely, Random Access Memory, RAM) to maintain all data and settings stored in it. When the power of a Windows CE based equipment fails, normally, all data and configuration settings, per explained above, will be lost. Then, when the power is back on, the equipment will execute “cold-boot “to bring the equipment back to default status.

To help Windows CE equipment (namely, Argox mobile computers) users sustaining important application related data files and configuration settings, ***Backup_Restore Utility*** was developed.

Backup_Restore Utility is an easy to use and simple software utility. It can, when needed, backup and restore critical information like serial number of this Windows CE equipment and data files (only file types which can be duplicated) stored in this Windows CE equipment. Also, version ID of ***Backup_Restore Utility*** will be displayed at the right bottom corner of the main screen.

Backup_Restore Utility can establish or restore back up data files in the following locations of this Windows CE equipment：

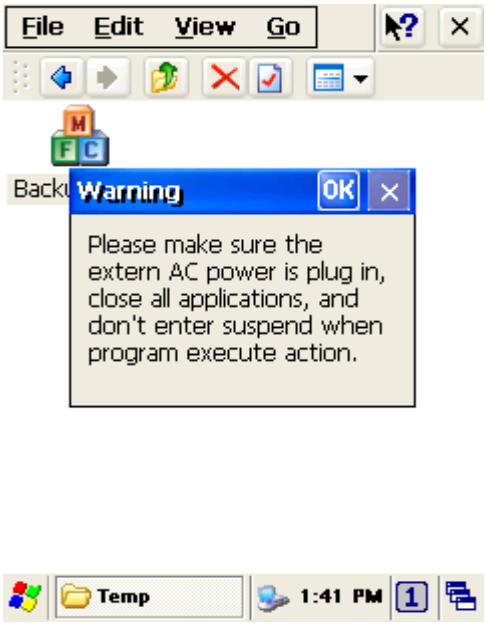
- Flash Disk -- File folders in Flash ROM of this equipment
- SD_MMC – SD card as extension memory of this equipment

Backup_Restore Utility can back up or restore the following two types of data files：

- File System – All file folders and data files except Flash Disk、User Application、SD_MMC card、CF card
- Registry – Windows CE equipment serial number registered in the system

1. 1 Warning Message

A warning message window will be prompt when double-clicking ***Backup_Restore Utility.exe*** to open this utility. Please refer to the picture below for details.


File Edit View Go
Warning
OK
Please make sure the extern AC power is plug in, close all applications, and don't enter suspend when program execute action.
Temp
1:41 PM

Warning Message Window

This warning message reminds user to:

1. Plug in external AC power supply;
2. Close all other application windows;
3. Do not enter “suspend mode” when application program is being executed.

Then, when this warning message window been acknowledged (select “OK”) and closed, main screen of ***Backup_Restore Utility.exe*** will be opened.

2. Application Environment

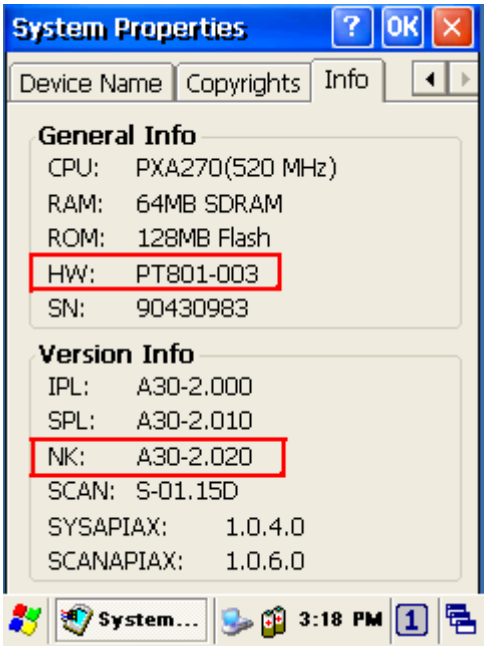
Argox mobile computers, i.e. PT-80/82 series, PT-60 series, can all be supported by ***Backup_Restore Utility***. Differentiated by hardware and language versions, restore can not be processed if the hardware or language version is different.

When ***Backup_Restore Utility*** is used on older version mobile computers, after executing restore and warm-boot, the system will retrieve data (i.e. "os.ini" and "scan.ini") from specified file folders to configure the mobile computer accordingly.

On the other hand, if ***Backup_Restore Utility*** is used on new version mobile computers, the configuration settings will be initiated normally.

The following table gives clear version indications to identify if the target mobile computer is categorized as new version.

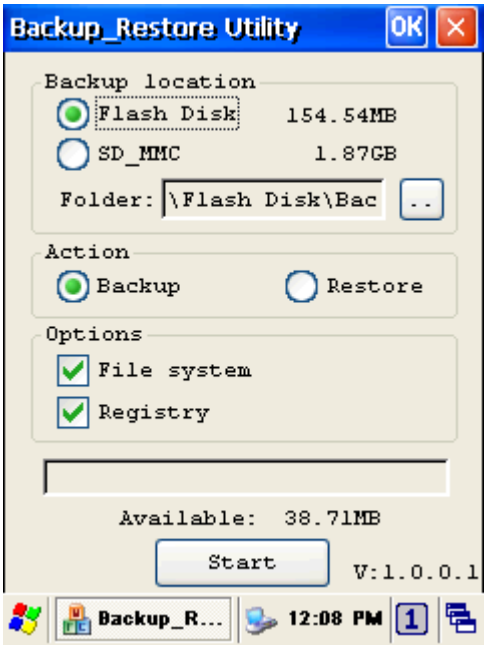
Products	HW Version	NK Version
PT82	PT801-01x	Axx-1.01x(or beyond)
PT80 G4	PT801-002(or before)	Axx-1.06x(or beyond)
PT80 H3	PT801-003(or beyond)	Axx-2.04x(or beyond)
PT60	P6001-0xx	Axx-1.20x(or beyond)



Terminal Information Window

3. Executing Back Up

After entering ***Backup_Restore Utility*** main screen, back up settings will be made via the screen as below：



Back Up Setting Screen Display

User can select the following different location to establish back up file folder：

- Flash Disk – using internal Flash Disk file folder
- SD_MMC – using external optional SD card
- .. -- selecting one specific file holder from Flash Disk or SD_MMC card

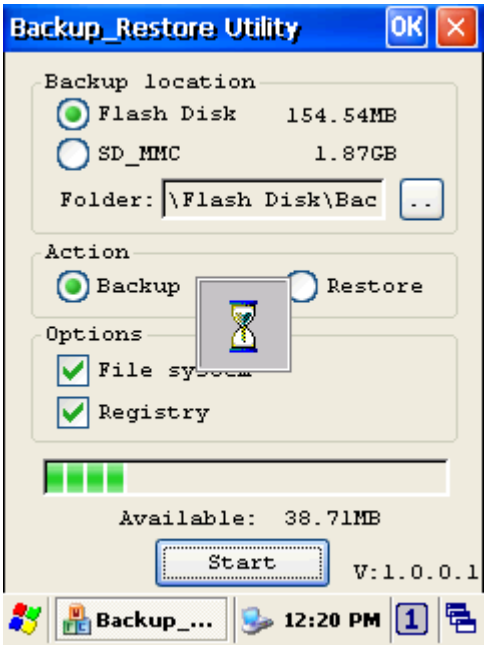
As ***Backup_Restore Utility*** will not back up data files stored in CF card and SD card, therefore, the item shown in the screen picture above, i.e. “ Available “ means:

- total data file size in the mobile computer excluding those stored in Flash Disk, User Applications, SD_MMC card, CF card.

Therefore, the actual back up file size, due to only limited file types can be duplicated and stored (please refer to Section 1), will be smaller than the size shown in “Available”.

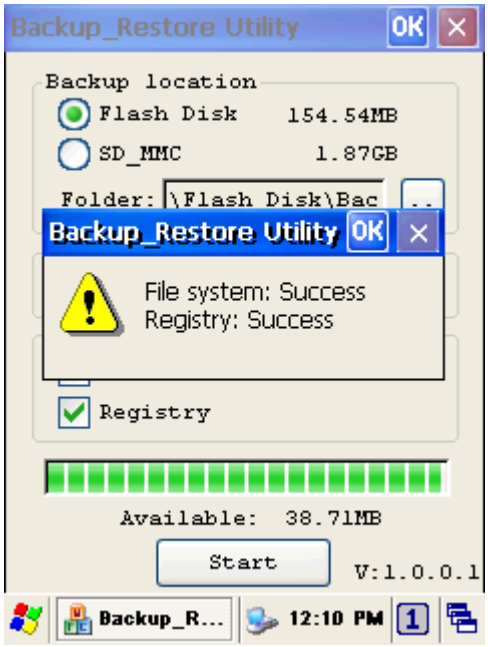
If user changes the back up file holder location selection, the execution path and the file size shown in “Available” will be changed as well. This design gives the convenience to the user so the user will always know the back up file location and the maximum size of the file. Also, user can select if File System or Registry (or both) needs to be duplicated and stored. However, at least one of these two types (File System or Registry) needs to be selected to continue the back up process.

After clicking on the “Start “button, back up process will be started and the green bar will indicate the progress accordingly.



Back Up Screen Display

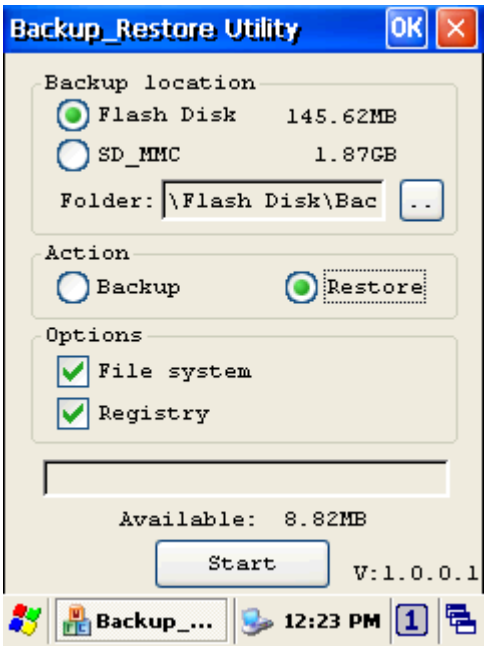
When the back up process is completed, a message window as shown below will be popped up indicating if the process is successful or failed.



Back Up Complete Message Screen

4. Executing Restore

After entering ***Backup_Restore Utility*** main screen, restore settings will be made via the screen as below：



Restore Setting Screen Display

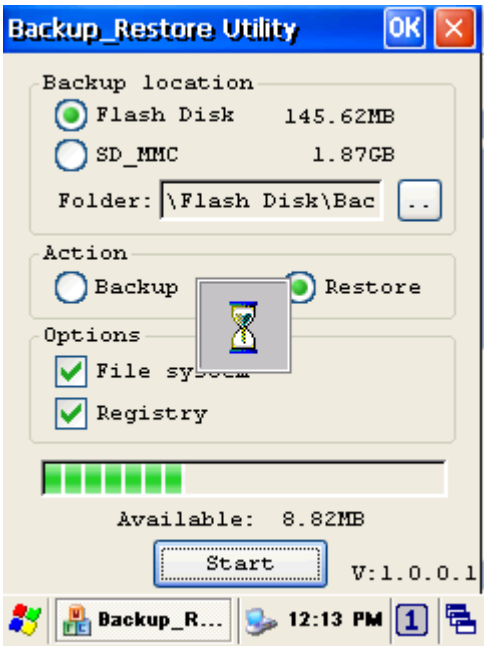
User can select the following different location to establish restored file folder：

- Flash Disk – using internal Flash Disk file folder
- SD_MMC – using external optional SD card
- .. -- selecting one specific file folder from Flash Disk or SD_MMC card

If user changes the restore file folder location selection, the execution path and the file size shown in “Available” will be changed as well. This design gives the convenience to the user so the user will always know the restore file location and the maximum size of the file. Also, user can select if File System or Registry (or both) needs to be restored. However, at least one of these two types (File System or Registry) needs to be selected to continue the restore process.

After clicking on the “Start “button, restore process will be started and the green bar will indicate the progress accordingly.

Before restore process been executed, ***Backup_Restore Utility*** will check the hardware and language version. If any of these two versions is found not match, the restore process will be terminated.

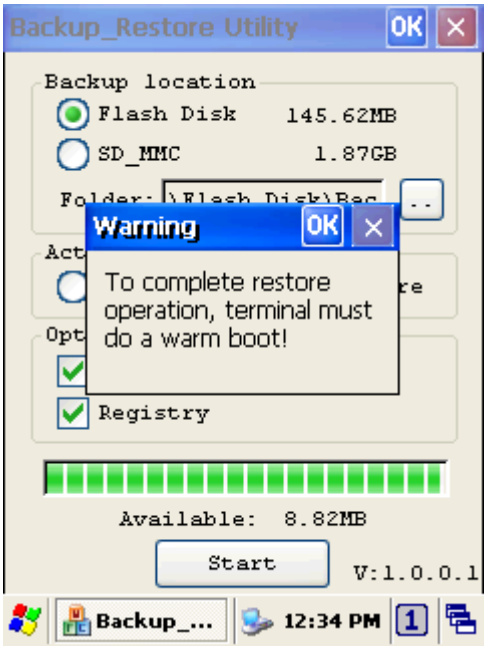


Restore Screen Display

When the restore process is completed, a message window as shown below will be popped up indicating if the process is successful or failed.

Restore Complete Message Screen

When clicking on “OK”, another message window will be popped up to alert user to perform”warm-boot “to complete the restore operation (as shown in picture below).



Warm-Boot Instruction Screen Display